

Fig. 1-
architecture

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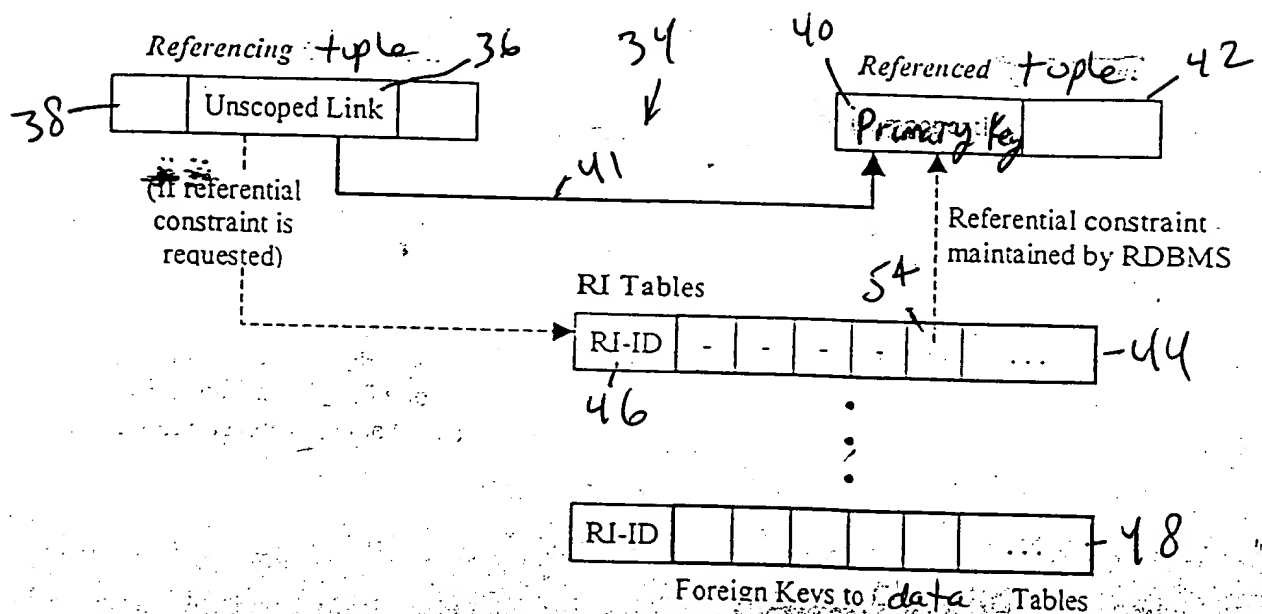
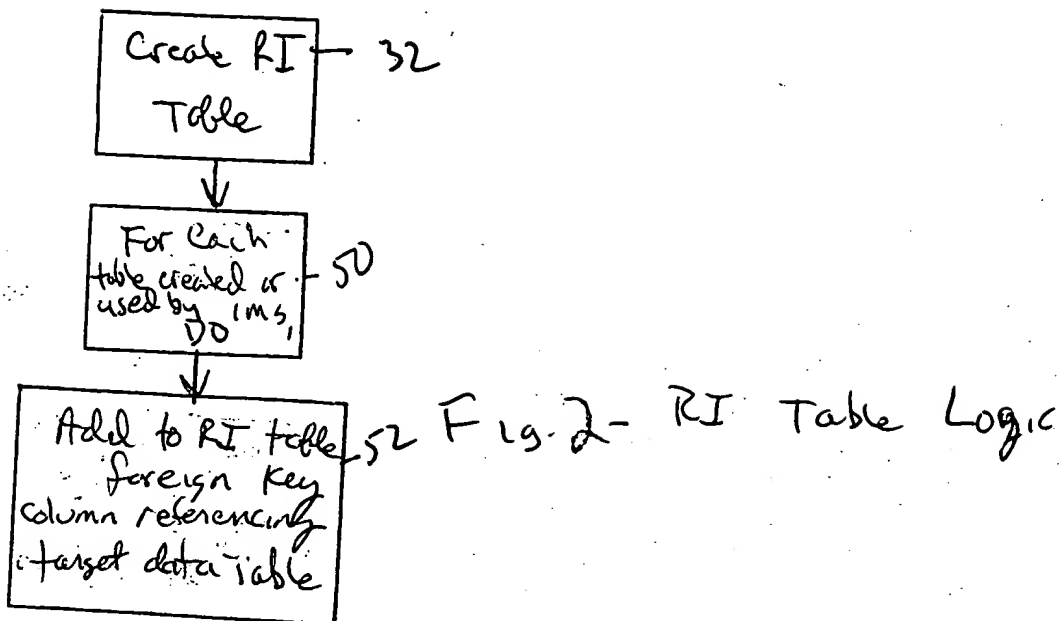
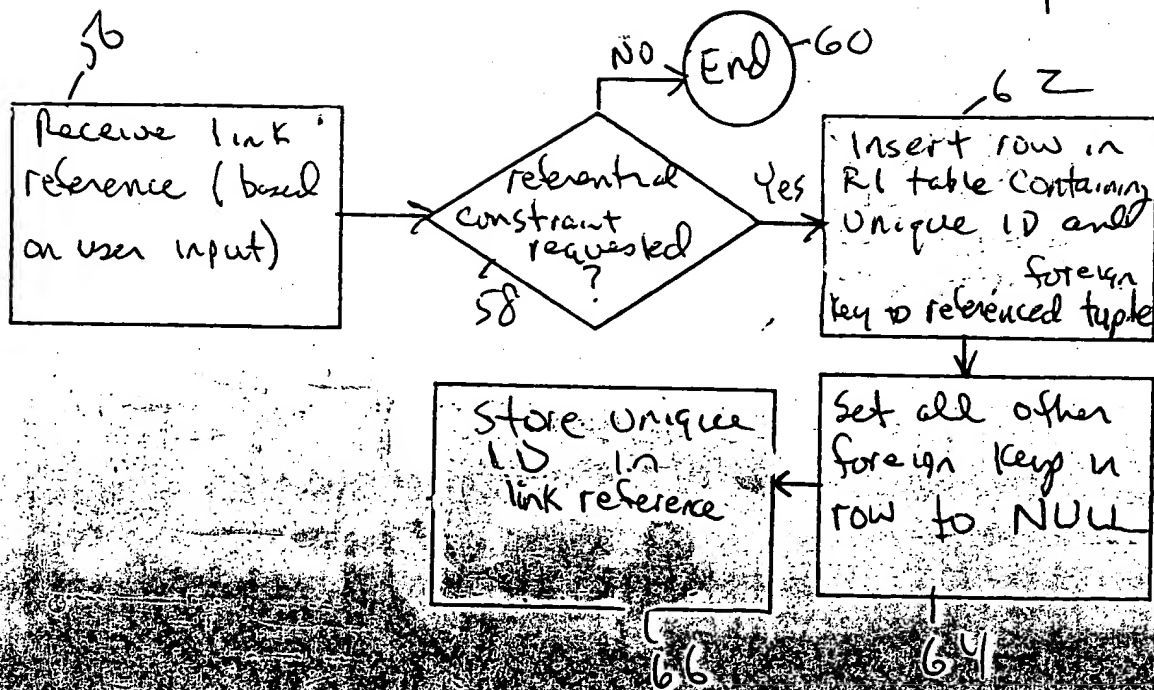


Fig. 4 - RI Table Operation



Name of the Field	Field Size	Byte Numbers	Description
LinkID	16	0 to 15	Unique identifier for the unscoped link
LinkTableName	18	16 to 33	Name of the linktable in which entry for this link will reside
TargetTableName	18	34 to 51	Name of the target table
TargetID	8	52 to 59	Primary key of the target tuple
DeleteSemantics	1	60	'1' indicates RESTRICT '2' indicates SET NULL '3' indicates CASCADE
NeedRIIndicator	1	61	'1' if referential integrity needs to be maintained for this link. '0' otherwise
LinkType	4	62 to 65	User-specified integer
Unused	4	66 to 69	For future use and expansion

Fig. 5

Fig. 7

SCOPEID	TABLENAME
10	THESES
10	CONFPAPERS
10	SURVEYS
10	TECHREPS
10	JOURNALPAPERS

Fig. 8

TABLENAME	ULINKCOLNAME	SCOPEID	DELSEM
STUDENTPUBS	PUB	10	'1'
FACULTYPUBS	PUB	10	'1'

Fig. 6

Link ID	Source Table Name	Source ID	Source Column Name	Dest Table Name	Dest ID	DEL SEM
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Fig 9 - alternate logic

